

### English

#### Reading and Writing:

Children will be exposed to a variety of texts and grammatical structures to develop their understanding of and ability to write: Narrative Poetry, Biographies (of fictional characters), Non Chronological Reports, Explanation texts, Newspaper reports (including passive voice) and Adventure Stories (with dialogue)

#### Speaking and Listening:

Children will have the opportunity to take part in formal debates, discussions and presentations, justifying opinions and evaluating different viewpoints.

### Maths

Every year group teaches the different areas of maths: number, fractions, algebra, measures, statistics shape and position (including how to use & apply these skills). In addition they have weekly focuses on arithmetic including adding & subtracting &  $\times$  tables.

#### Key learning in year 5 includes to:

- order, compare, read and write numbers to 1 million
- solve multi-step word problems with  $+$   $-$   $\times$   $\div$
- $\times$   $\div$  up to 4 digit numbers by 1 or 2 digit numbers using formal written method
- know primes, multiples, factors, square and cube numbers
- use mixed numbers, improper and equivalent fractions
- link percentages, decimals and fractions
- draw, measure and identify angles up to  $360^\circ$
- calculate area and perimeter of irregular shapes
- convert between metric and imperial units
- solve problems involving converting units of time and interpreting information in tables including timetables

### Science

Children will be developing their working scientifically skills through investigating:

**Plants and Living Things** (Life cycles including reproduction, classification based on characteristics, human impact)

**Animals and Humans** (Circulatory system, transportation of nutrients and impact of diet, exercise and drugs)

**Materials and their properties** (Solids, liquids and gases, dissolving, reversible and irreversible changes)

**Forces** (Gravity, drag forces and motion)

**Space** (Movement of Earth and Moon, night and day)

### Computing

In Phase 3, children will develop their understanding in three areas: Computer Science, Digital Literacy (including e-safety) and Information Technology.

#### Key skills include to:

- independently identify and debug errors in a program.
- understand what is appropriate to say and do on social media
- use advanced search functions & filters
- plan and take photos in different settings thinking of composition and lighting.
- plan, record and edit an animation with several scenes

### Art and Design

Children will be developing their knowledge of a range of artists and designers to help them to develop their own skills in:

- **Painting** (colours, tones and tints to enhance mood, develop a personal style)
- **Sculpture** (life-like qualities, use tools and frameworks for stability and form)
- **Drawing** (reflections, movement, perspective)
- **Digital Art** (enhance digital media by editing)

### Design and Technology

Children will mimic designer tasks to develop and evaluate products with a focus on:

- **Food technology** (Range of cooking techniques to prepare a variety of predominantly savoury dishes)
- **Textiles** (Create objects that employ a seam allowance)
- **Woodwork** (suitable techniques to construct and strengthen products, cut and measure accurately)

### Music

Children will be immersed throughout the year in a range of genres of music to develop their knowledge and enjoyment of a variety of music styles. They will:

- Perform songs weekly in assemblies, showing control of pitch, expression and accuracy
- Compose their own music by selecting from tuned and untuned instruments (including guitars) to create melody, rhythm and chords.
- Recognise musical notation including time symbols and vocabulary

### UPH

In Year 5, children will:

- Show control in skills being performed
- Play competitive games using the best tactics for the situation
- Perform gymnastics & dance routines with specific themes
- Use a range of devices to orientate themselves

### History

Children will develop their historical enquiry by finding out about:

- A study of ancient Greek life and achievements and their influence on the western world
- The Viking and Anglo-Saxon struggle for the kingdom of England to the time of Edward the Confessor
- A non-European society that provides contrasts with British history e.g Mayan civilization

### Geography

Children will develop their geographical enquiry skills through learning about:

- Human and physical features in the local area
- Different geographical representations of an area
- Countries of North and South America
- Equator, hemispheres, tropics and time zones.
- How locations are changing
- 6 figure grid references

### RE

Each year children will learn about a religion within the context of world religions and beliefs.

#### Year 5 focus - Sikhism:

- Its key teachings and practices
- How these relate to their own ideas as well as those of other people

### MFL

Lark Hall children learn Spanish.

They will follow a scheme of work that gradually develops their ability to speak, listen, read and write in the language.

This will include games, songs, role-play and other activities.